

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### MTD 5 : Ferro Alloys

Scope: Standardization in the field of ferro alloys and other metallic additions used for iron and steel making

Liaison: **ISO TC-132 (P): Ferroalloys**

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 1110:2023 <a href="#">ISO 5445:1980</a>	Ferrosilicon - Specification (Fifth Revision)		-	Not Equivalent
2	IS 1170:2026	Ferrochromium - Specification Third Revision		-	Indigenous
3	IS 1170:1992 <a href="#">Reviewed In : 2024</a>	Ferrochromium - Specification (Second Revision)	March, 2024	1	Indigenous
4	IS 1171:2011 <a href="#">Reviewed In : 2021</a>	Ferromanganese - Specification (Fifth Revision)	March, 2021	-	Indigenous
5	IS 12908:1990 <a href="#">Reviewed In : 2024</a>	Ferroaluminium - Specification	March, 2024	-	Indigenous
6	IS 12908:1990 <a href="#">Reviewed In : 2024</a>	Ferroaluminium - Specification (Bilingual)	March, 2024	-	
7	IS 13054:1991 <a href="#">Reviewed In : 2024</a>	Quartzite/quartz for the production of ferroalloys - Specification	March, 2024	1	Indigenous
8	IS 13164:1991 <a href="#">Reviewed In : 2021</a>	Ferrosilicomagnesium - Specification	March, 2021	-	Indigenous
9	IS 1466:1985 <a href="#">Reviewed In : 2024</a>	Specification for ferrovanadium (Third Revision)	March, 2024	-	Indigenous
10	IS 1467:1993 <a href="#">Reviewed In : 2024</a>	Ferrotungsten - Specification (Second Revision)	March, 2024	-	Indigenous
11	IS 1468:2000 <a href="#">Reviewed In : 2024</a>	Ferrotitanium - Specification (Fourth Revision)	March, 2024	-	Indigenous
12	IS 1469:1993 <a href="#">Reviewed In : 2024</a>	Ferromolybdenum - Specification (Fourth Revision)	March, 2024	1	Indigenous
13	IS 1470:2025	Silicomanganese — Specification (Fifth Revision )		-	Indigenous
14	IS 1471:1988 <a href="#">Reviewed In : 2024</a>	Specification for ferrophosphorus (Second Revision)	March, 2024	-	Indigenous
15	IS 1472:1977 <a href="#">Reviewed In : 2022</a> <a href="#">ISO 3713:1987</a>	Methods for sampling ferro-alloys for determination of chemical composition (First Revision)	January, 2022	2	Not Equivalent
16	IS 15765:2008 <a href="#">Reviewed In : 2023</a>	Method of sampling ferro alloys for sieve analysis and size determination	September, 2023	-	Indigenous
17	IS 2021:1993 <a href="#">Reviewed In : 2024</a>	Manganese metal - Specification (Second Revision)	March, 2024	-	Indigenous
18	IS 2022:1997 <a href="#">Reviewed In : 2024</a>	Calcium silicon - Specification (Third Revision)	March, 2024	-	Indigenous

19	IS 2023:1993 Reviewed In : 2024	Chromium metal - Specification (Second Revision)	March, 2024	-	Indigenous
20	IS 2024:1988 Reviewed In : 2024	Specification for ferrosilicochromium (Third Revision)	March, 2024	1	Indigenous
21	IS 2085:1962 Reviewed In : 2024	Code for designation of ferro - alloys	March, 2024	-	Indigenous
22	IS 2301:2000 Reviewed In : 2024	Metallic silicon - Specification (Second Revision)	March, 2024	-	Indigenous
23	IS 2391:2024	Foundry Nickel - Specification (Second Revision)		-	Indigenous
24	IS 3011:1973	Specification for ferrosilicozirconium (First Revision)	March, 2021	1	Indigenous
25	IS 3012:2023	Chrome Manganese - Specification (Second Revision)		-	Indigenous
26	IS 3013:1991 Reviewed In : 2021	Ferroboron - Specification (Third Revision)	March, 2021	-	Indigenous
27	IS 3014:1993 Reviewed In : 2024	Ferroniobium - Specification (Second Revision)	March, 2024	-	Indigenous
28	IS 4182:1988 Reviewed In : 2025	Specification for misch metal (First Revision)	March, 2025	-	Indigenous
29	IS 4182:2025	Misch Metal — Specification (Second Revision)		-	Indigenous
30	IS 4409:2023	Ferronickel - Specification (Second Revision)		-	Indigenous
31	IS 5634:1987 Reviewed In : 2021	Specification for molybdenum oxide (Technical) (First Revision)	March, 2021	1	Indigenous
32	IS 7148:2024	Ferro-Alloys for Welding Industry â€™ Specification (Second Revision)		-	Indigenous
33	IS 7965:1976 Reviewed In : 2021	Specification for niobium (Columbium)	March, 2021	-	Indigenous

Standards under Development

Projects Approved		
SI. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards		
SI. No.	Doc No.	Title
No Records Found		

Drafts Standards in WC Stage		
SI. No.	Doc No.	Title
1	MTD 5 (25538) Amendment of: IS 1468:2000	Ferrotitanium - Specification Fifth Revision
2	MTD 5 (25540) Amendment of: IS 2021:1993	Manganese metal - Specification Third Revision
3	MTD 5 (25542) Amendment of: IS 1467:1993	Ferrotungsten - Specification Third Revision

4	MTD 5 (33187)	FERROALLOYS - CODE FOR DESIGNATION First Revision
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### Draft Standards Completed WC Stage

Sl. No.	Doc No.	Title
1	MTD 5 (27583)	Ferronickel - Specification Second Revision Amendment - 1

### Finalized Draft Indian Standard

Sl. No.	Doc No.	Title
1	MTD 5 (25313) IS 1171:2011	Ferromanganese Specification Sixth Revision

### Finalized Draft Indian Standards under Print

Sl. No.	Doc No.	Title
1	MTD 5 (25314) IS 1470:2013	Silicomanganese Specification Fifth Revision
2	MTD 5 (25543) Amendment of: IS 1170:1992	Ferrochromium - Specification Third Revision
3	MTD 5 (27342) Amendment of: IS 4182:1988	Misch Metal Specification Second Revision
4	MTD 5 (27446) IS 1469:1993	Ferromolybdenum - Specification Fifth Revision
5	MTD 5 (27447) IS 1466:1985	Ferrovandium - Specification Fourth Revision
6	MTD 5 (28232) IS 1110:2023	Ferrosilicon Specification Sixth Revision

Total Published Standards:31 Total Standards Under development:12

### Aspect Wise Report

Product : 27  
Code of Practices : 2  
Methods of Test : 0  
Terminology : 0  
Dimensions : 0  
System Standard : 0  
Safety Standard : 0  
Others : 2  
Service Specification : 0  
Process Specification : 0  
Unclassified : 0

### Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS B1110:1990 Reviewed In : 2019	Ferrosilicon Bi-lingual
2	IS 1111:1964	Spiegeleisen Revised
3	IS 11945:1987 Reviewed In : 2016	Charge Chrome

### Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 1110:2023 ISO 12228-2	Ferrosilicon - Specification Fifth Revision
2	IS 1170:2026	Ferrochromium - Specification Third Revision
3	IS 1171:2011 Reviewed In : 2021	Ferromanganese - Specification Fifth Revision
4	IS 12908:1990 Reviewed In : 2024	Ferroaluminium - Specification
5	IS 12908:1990 Reviewed In : 2024	Ferroaluminium - Specification Bi-lingual
6	IS 13054:1991 Reviewed In : 2024	Quartzite quartz for the production of ferroalloys - Specification
7	IS 13164:1991 Reviewed In : 2021	Ferrosilicomagnesium - Specification
8	IS 1466:1985 Reviewed In : 2024	Specification for ferrovanadium Third Revision
9	IS 1467:1993 Reviewed In : 2024	Ferrotungsten - Specification Second Revision
10	IS 1468:2000 Reviewed In : 2024	Ferrotitanium - Specification Fourth Revision
11	IS 1469:1993 Reviewed In : 2024	Ferromolybdenum - Specification Fourth Revision
12	IS 1470:2025	Silicomanganese Specification Fifth Revision
13	IS 1471:1988 Reviewed In : 2024	Specification for ferrophosphorus Second Revision
14	IS 2021:1993 Reviewed In : 2024	Manganese metal - Specification Second Revision
15	IS 2022:1997 Reviewed In : 2024	Calcium silicon - Specification Third Revision
16	IS 2023:1993 Reviewed In : 2024	Chromium metal - Specification Second Revision
17	IS 2024:1988 Reviewed In : 2024	Specification for ferrosilicochromium Third Revision
18	IS 2301:2000 Reviewed In : 2024	Metallic silicon - Specification Second Revision
19	IS 2391:2024	Foundry Nickel - Specification Second Revision
20	IS 3011:1973	Specification for ferrosilicozirconium First Revision
21	IS 3012:2023 ISO 6480:2019	Chrome Manganese - Specification Second Revision
22	IS 3013:1991 Reviewed In : 2021	Ferroboron - Specification Third Revision
23	IS 3014:1993 Reviewed In : 2024	Ferroniobium - Specification Second Revision
24	IS 4182:2025	Misch Metal Specification Second Revision
25	IS 4409:2023 ISO 12228-1:2014	Ferronickel - Specification Second Revision
26	IS 5634:1987 Reviewed In : 2021	Specification for molybdenum oxide Technical First Revision
27	IS 7965:1976 Reviewed In : 2021	Specification for niobium Columbium